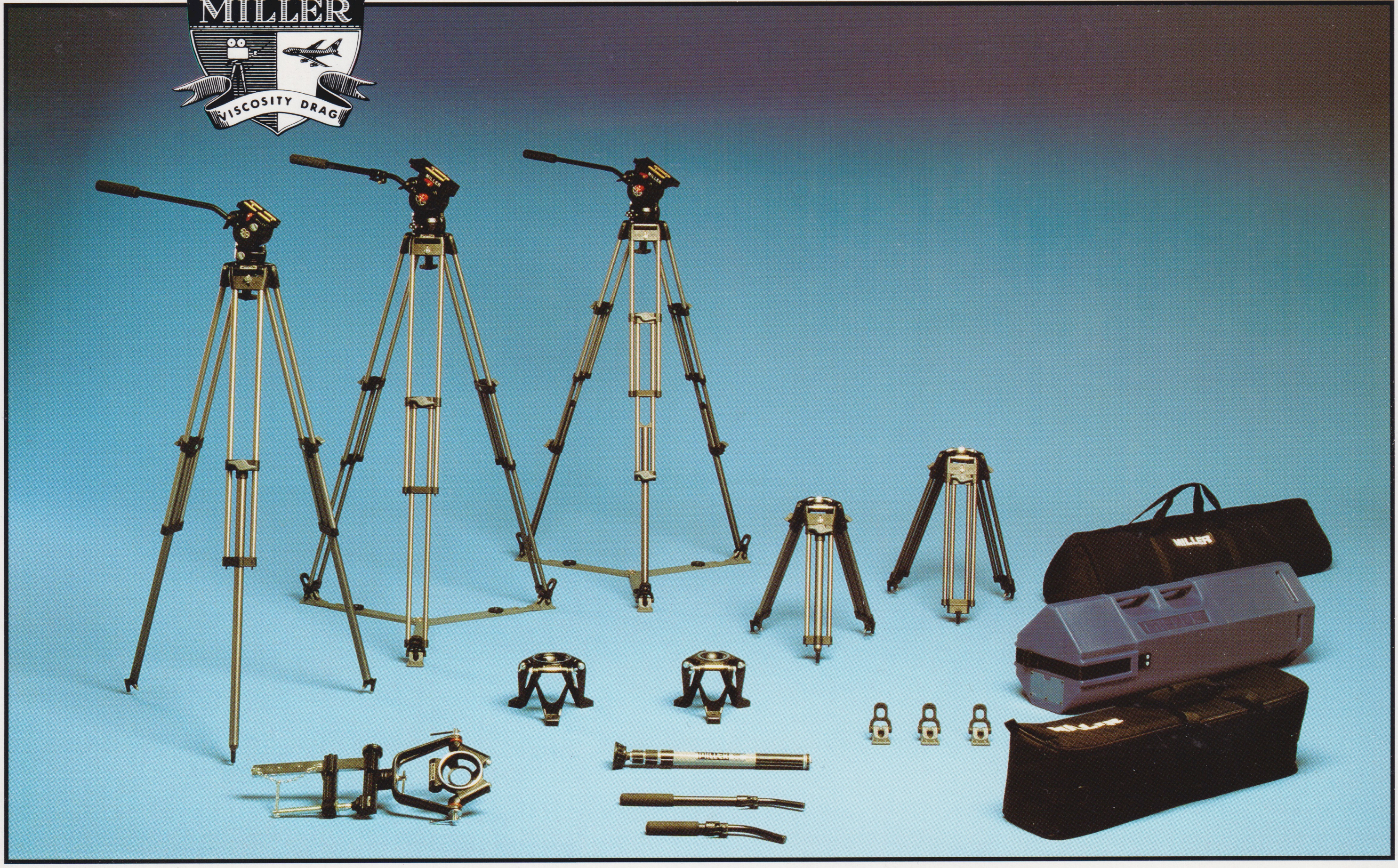
MILLER ENG

Camera Support

MILLER

VISCOSITY DRAG

Miller designed



Miller is ENG support

The world's first manufacturer of fluid pan/tilt heads, Miller camera support has been synonymous with newsgathering/documentary film making since 1954.

Today Miller's new high performance ENG support products are recognised throughout the world for their durability and reliability in the world's most challenging conditions. Miller support, standard equipment with many of the world's leading broadcasters, is available in over 40 countries.

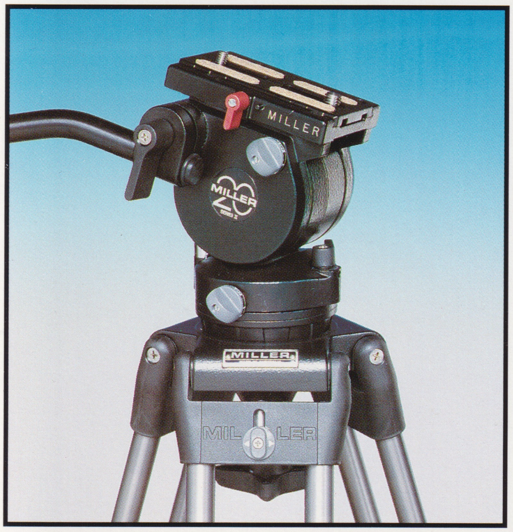
The Miller 20/30/50 Series II fluid heads are engineering masterpieces, built to operate smoothly even under extreme conditions. They are engineered to exceptionally fine tolerances and their mechanisms are protected effectively against ambient moisture and dust particles. Performance is linear under even the most extreme weather or atmospheric fluctuations and maintenance requirements are reduced to absolute minimum.

The new Lightweight, Single and 2-Stage tripod range set new standards in tripod design. In addition to lightweight portability, quick set-ups and maximum torsional rigidity they contain new innovative leg-angle lock systems allowing unmatched freedom in choosing mounting locations with complete safety. These are just some of the ways in which Miller products excel in design, performance and durability.

AMPEX
MILLER

for the world's most challe

Miller 20 Series II Fluid Head

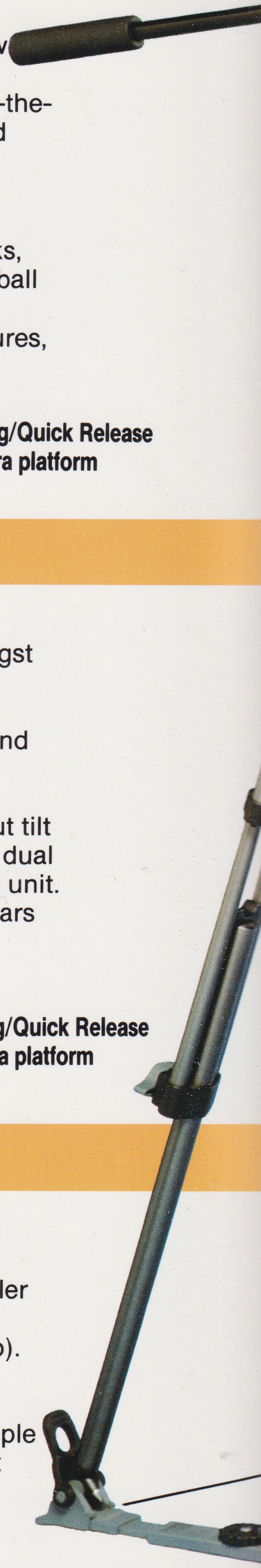


The new Miller 20 Series II fluid head is designed for the new generation of lightweight CCD cameras used in broadcast, educational and industrial applications. These small state-of-the-art cameras offer performance equivalent to much larger and more expensive cameras. Therefore, despite their size, high quality camera support is an important component in any complete system.

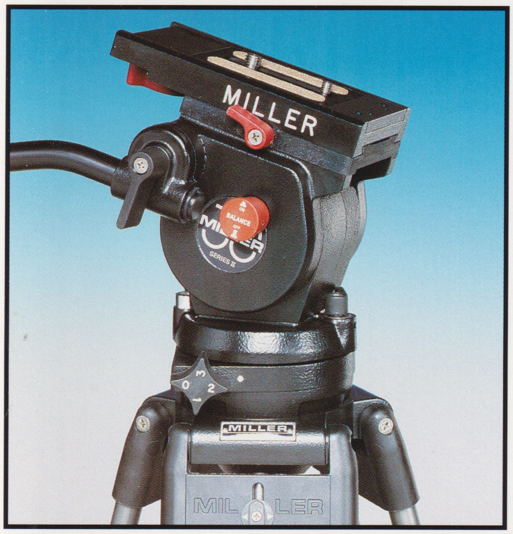
The Miller 20 Series II includes independent pan and tilt locks, bubble level, dual pan handle carriers and integrated 75mm ball levelling (flat base adaptor is available).

The Miller 20 Series II offers big head performance and features, in a small lightweight head.

- **Integrated counterbalance system**
- **Continuously adjustable fluid drag control**
- **Sliding/Quick Release camera platform**



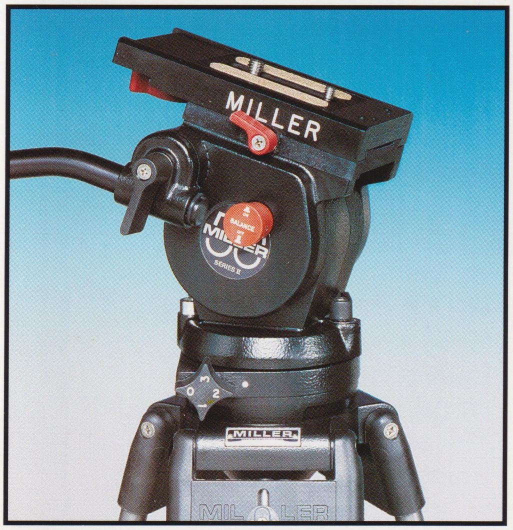
Miller 30 Series II Fluid Head



The Miller 30 Series II fluid head is the popular choice amongst professional ENG camera operators using the latest CCD camcorders or dockable camera assemblies. The advanced concept fluid drag system ensures smooth, repeatable pan and tilt movements. By being independent of camera's payload smooth stops and starts can be made. The integrated counterbalance system provides finger tip control throughout tilt range. The Miller 30 Series II includes positive tilt/pan locks, dual handle carriers, bubble level and integrated 100mm ball level unit. In the hard world of ENG the Miller 30 Series II is built for years of trouble free operation.

- **Multi-step fluid drag control**
- **Fully variable counterbalance system**
- **Sliding/Quick Release camera platform**

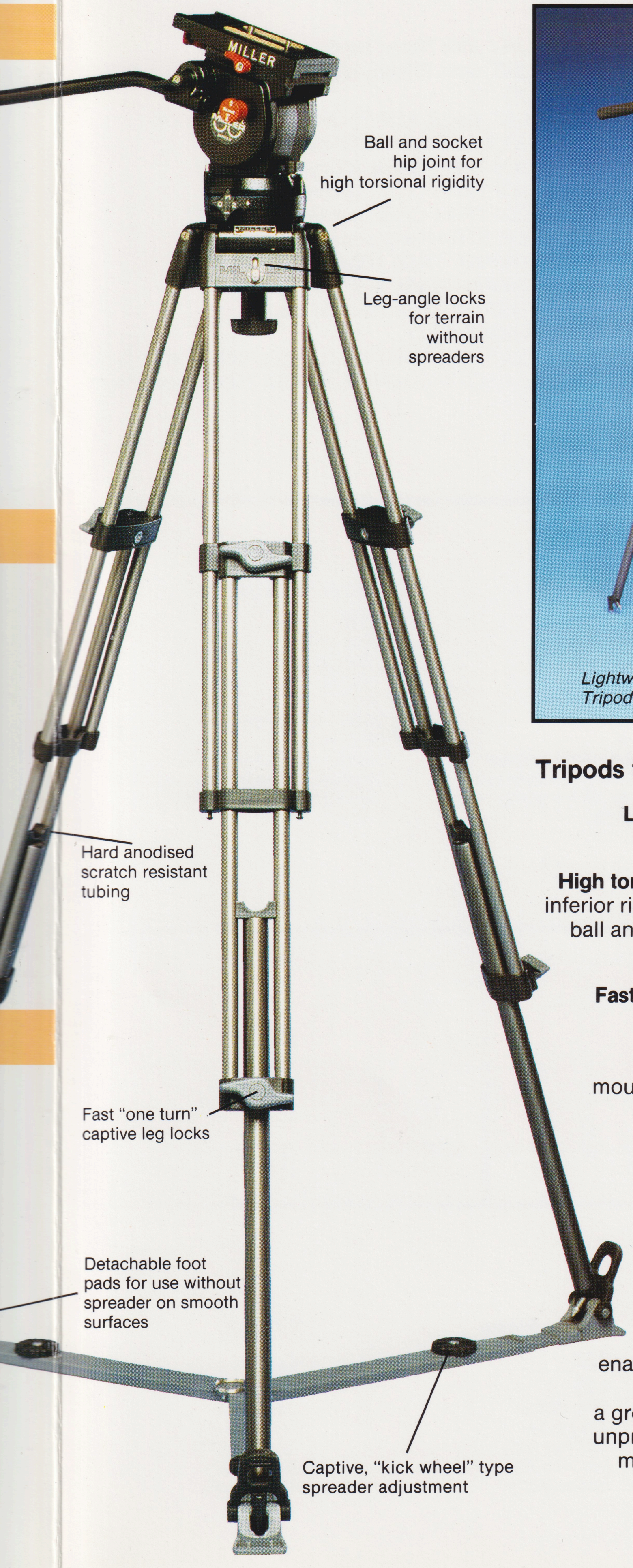
Miller 50 Series II Fluid Head

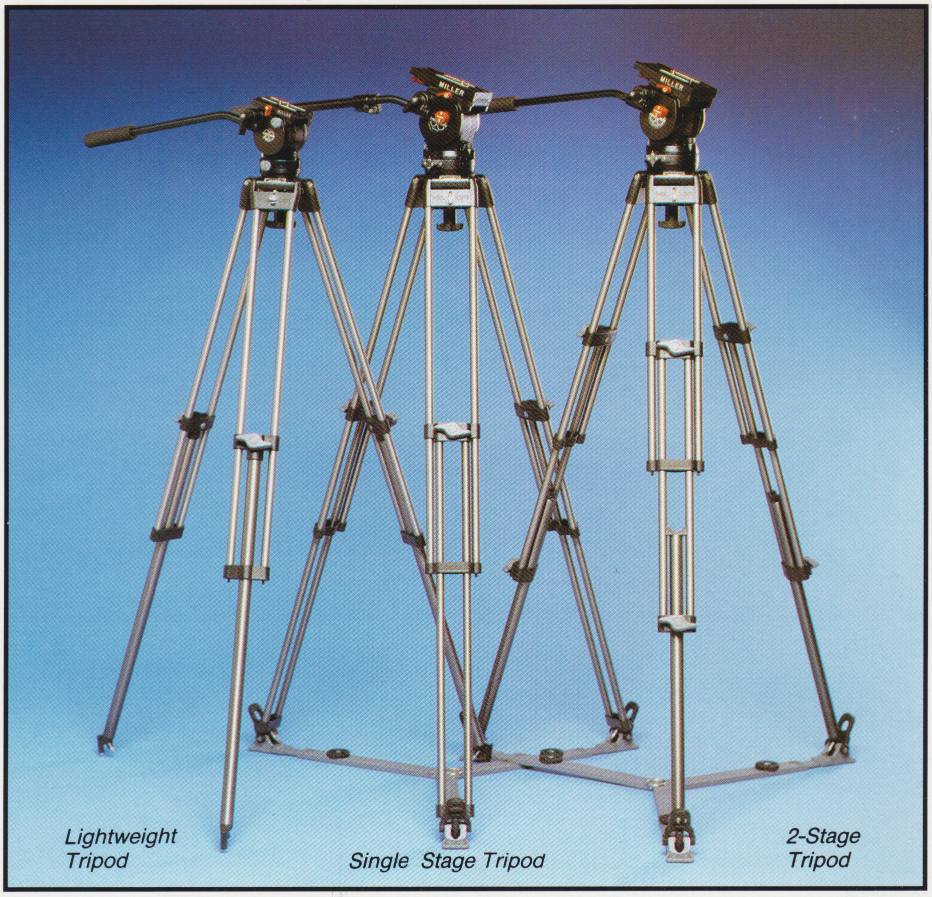


For EFP operations or older ENG tube cameras the Miller 50 Series II fluid head is ideal. With the same features as the Miller 30 Series II, the Miller 50 Series II contains a heavy duty counterbalance system to increase the capacity to 25kg (50lb). The fully variable counterbalance system is designed to accommodate offset payloads such as larger lens, small teleprompters and top-mounted viewfinders by using the simple switch-in dial to automatically re-balance the camera without removing it from the head. The Miller 50 Series II includes positive pan/tilt locks, dual handle carriers, bubble level and integrated 100mm ball level unit.

- **Multi-step fluid drag control**
- **Fully variable counterbalance system**
- **Sealed housings prevent dust and moisture penetration**

lenging conditions


MILLER
Ball and socket hip joint for high torsional rigidity
Leg-angle locks for terrain without spreaders
Hard anodised scratch resistant tubing
Fast "one turn" captive leg locks
Detachable foot pads for use without spreader on smooth surfaces
Captive, "kick wheel" type spreader adjustment


MILLER
Lightweight Tripod
Single Stage Tripod
2-Stage Tripod

Tripods that go where no tripods have gone before.

Lightweight portability; lightweight equipment is essential in modern ENG/EFP operations. All three tripods weigh less than 3kg (6.5lbs).

High torsional rigidity; when making slow pan, particularly tight telephotos, inferior rigidity can ruin otherwise well-executed camera moves. Miller's new ball and socket hip joints, minimal tolerance grades provide high torsional rigidity to eliminate pan backlash.

Fast set-ups; one turn, captive leg locks and "kick wheel" type spreader adjustment allow operators to catch the action.

Quality; constructed from diecast alloy, high quality thermoplastic mouldings and scratch resistant tubing Miller tripods have unsurpassed low,long term maintenance requirements.

What are leg-angle locks?

All three models contain independent leg-angle locks. This innovative feature enables the tripod to be mounted in difficult locations without using a ground spreader, safely, providing unprecedented freedom in choosing mounting locations such as steps, crowded press conferences, etc.

for ENG

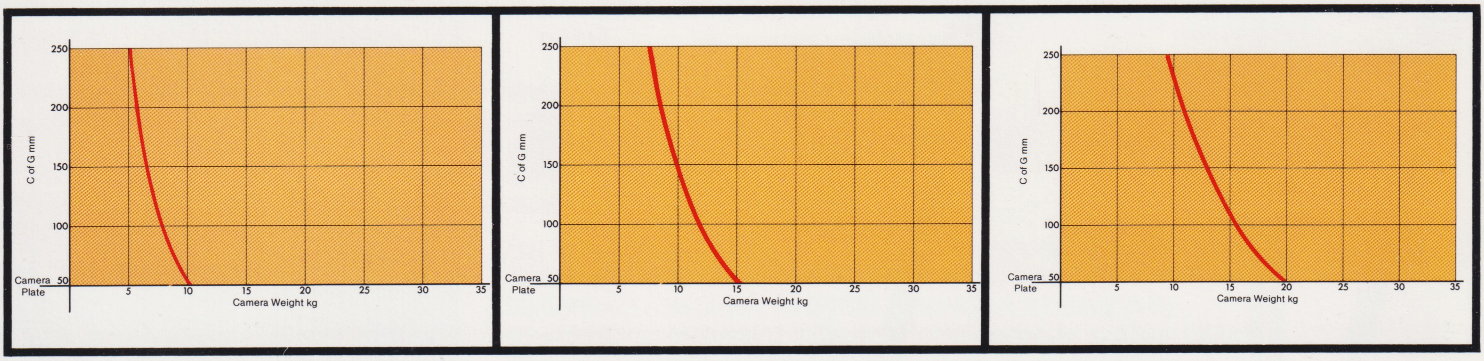
ACCESSORIES

444	LIGHTWEIGHT MINI TRIPOD 75mm Bowl
439	LIGHTWEIGHT MINI TRIPOD 100mm Bowl
431	SINGLE STAGE MINI TRIPOD 75mm Bowl
419	SINGLE STAGE MINI TRIPOD 100mm Bowl
410	LIGHTWEIGHT SPREADER
411	LIGHTWEIGHT SPREADER (without Foot Pads)
412	FOOT PADS (set)
372	LIGHTWEIGHT DOLLY
373	MEDIUM DUTY DOLLY
280	CAMERA PLATE suit Cat. 155, 160
385	CAMERA PLATE suit Cat. 105
036	¼″ — 20 CAMERA SCREW
037	⅜″ — 16 CAMERA SCREW
254	HI HAT with 75mm TRIPOD BOWL
253	HI HAT with 100mm TRIPOD BOWL
238	MILLMOUNT with 75mm tripod bowl
229	MILLMOUNT with 100mm tripod bowl
295	MONOPOD
360	100mm FLAT BASE ADAPTOR suit Cat. 155/160
361	75mm FLAT BASE ADAPTOR suit Cat. 105
294	MILLER-SOFTPAK CASE 230mm dia. small
296	MILLER-SOFTPAK CASE 280mm dia. large
306	MILLER-SOFTPAK CASE suit 2-Stage tripod
308	SHOULDER STRAP adjustable for all tripods
300	MILLER-TRIPAK CASE 180mm dia.
309	MILLER-TRIPAK CASE suit 2-Stage tripod
245	MILLER-TRIPAK CASE 230mm dia.
271	Dia.16 HANDLE ROD
272	Dia.16 TELESCOPIC HANDLE ROD, 300mm extension
273	Dia.16 TELESCOPIC HANDLE ROD, 150mm extension

SPECIFICATIONS

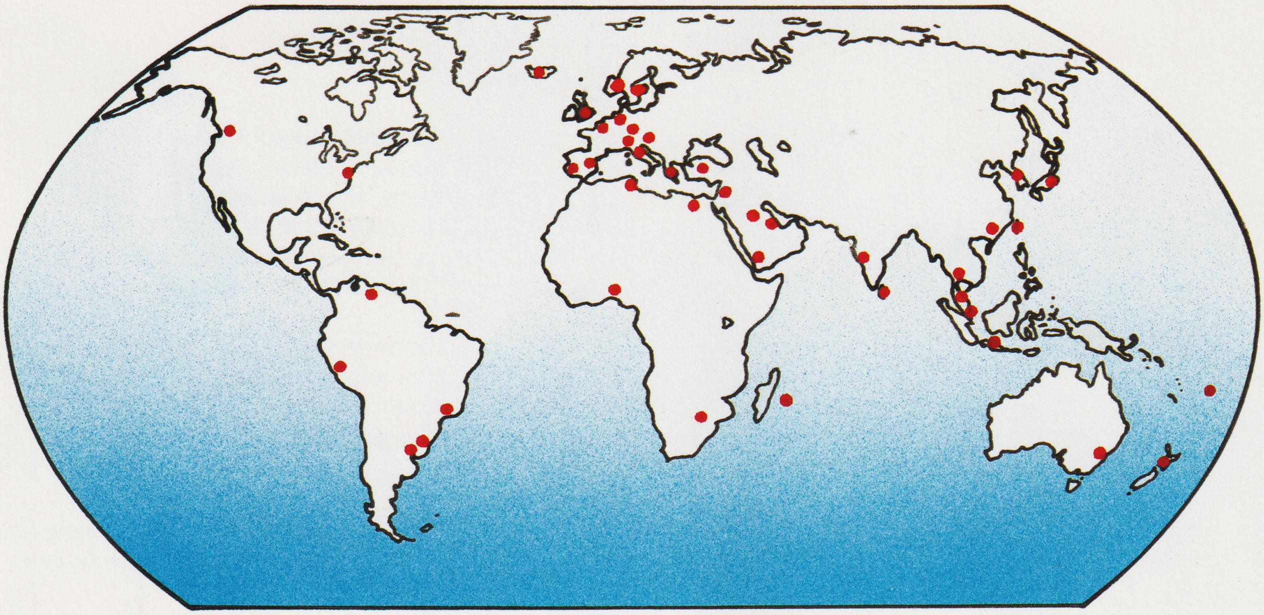
Heads	**Miller 20 Series II**	**Miller 30 Series II**	**Miller 50 Series II**
Cat. No.	**105**	**155**	**160**
Camera capacity:	*10kg (22lbs)*	*15kg (30lbs)*	*25kg (50lbs)*
Weight:	*1.8kg (4lbs)*	*3.6kg (8lbs)*	*3.6kg (8lbs)*
Tilt range:	*+/- 90°*	*+90°-75°*	*+90°-75°*
Pan range:	*360°*	*360°*	*360°*
Pan tilt/drag:	*Continuously variable*	*Multi-step adjustment*	*Multi-step adjustment*
Counterbalancing:	*Static; 10kg @ 50mm C of G height*	*Fully variable*	*Fully variable*
Base:	*75mm ball/flat base optional*	*100mm ball/flat base optional*	*100mm ball/flat base optional*
Pan handle:	*Standard 16mm, telescopic optional*	*Standard 16mm, telescopic optional*	*Standard 16mm, telescopic optional*
Camera platform:	*Quick release 60mm sliding plate*	*Quick release, 60mm sliding plate*	*Quick release, 60mm sliding plate*
Temperature range:	*-40°C to +65°C*	*-40°C to +65°C*	*-40°C to +65°C*

Counterbalancing Performance



Tripods		**Lightweight**	**Single Stage**	**2-Stage**
Cat. No.	**— 75mm bowl**	**440**	**427**	**420**
	— 100mm bowl	**435**	**415**	**402**
Camera capacity:		*15kg (30lbs)*	*25kg (50lbs)*	*25kg (50lbs)*
Weight:		*2.3kg (4.5lbs)*	*2.7kg (6lbs)*	*2.9kg (6.5lbs)*
Maximum height with spreader:		*1420mm (57″)*	*1500mm (59″)*	*1570mm (62″)*
Minimum height with spreader:		*620mm (24″)*	*680mm (26″)*	*400mm (15″)*
Minimum folded length:		*835mm (33″)*	*900mm (35″)*	*692mm (27″)*

Miller Distributors



ALL MILLER PRODUCTS ARE FULLY GUARANTEED

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